

FIRST INDUSTRIAL REALTY TRUST INC  
Form 424B3  
August 25, 2010

Filed pursuant to Rule 424(b)(3)  
Registration Statement No. 333-57355

**PROSPECTUS SUPPLEMENT NO. 16**

(to prospectus dated July 17, 1998)

**3,267,564 Shares**

**First Industrial Realty Trust, Inc.**

**Common Stock**

This prospectus supplement supplements information contained in the Selling Stockholders section of the prospectus dated July 17, 1998 relating to the potential offer and sale from time to time of up to 3,267,564 shares of common stock of First Industrial Realty Trust, Inc. by the selling stockholders. This prospectus supplement is not complete without, and may not be delivered or used except in connection with, the prospectus dated July 17, 1998, including any supplements or amendments to such prospectus.

The table below reflects units and redemption shares that were originally included in the Selling Stockholders section of the prospectus as being held by Additional Holders of Units and were acquired on March 17, 1997.

| Name                      | Number of Shares and<br>Units Owned<br>Before the Offering | Number of<br>Shares<br>Offered Hereby |
|---------------------------|--|---------------------------------------|
| Thomas and Sandra Johnson | 2,142  | 2,142(18)                             |

As a result of the identification of the selling stockholder listed in the table above, the Number of Shares Offered Hereby for Additional Holders of Units is changed to 90,617.

The date of this prospectus supplement is August 25, 2010.